

Figure S1

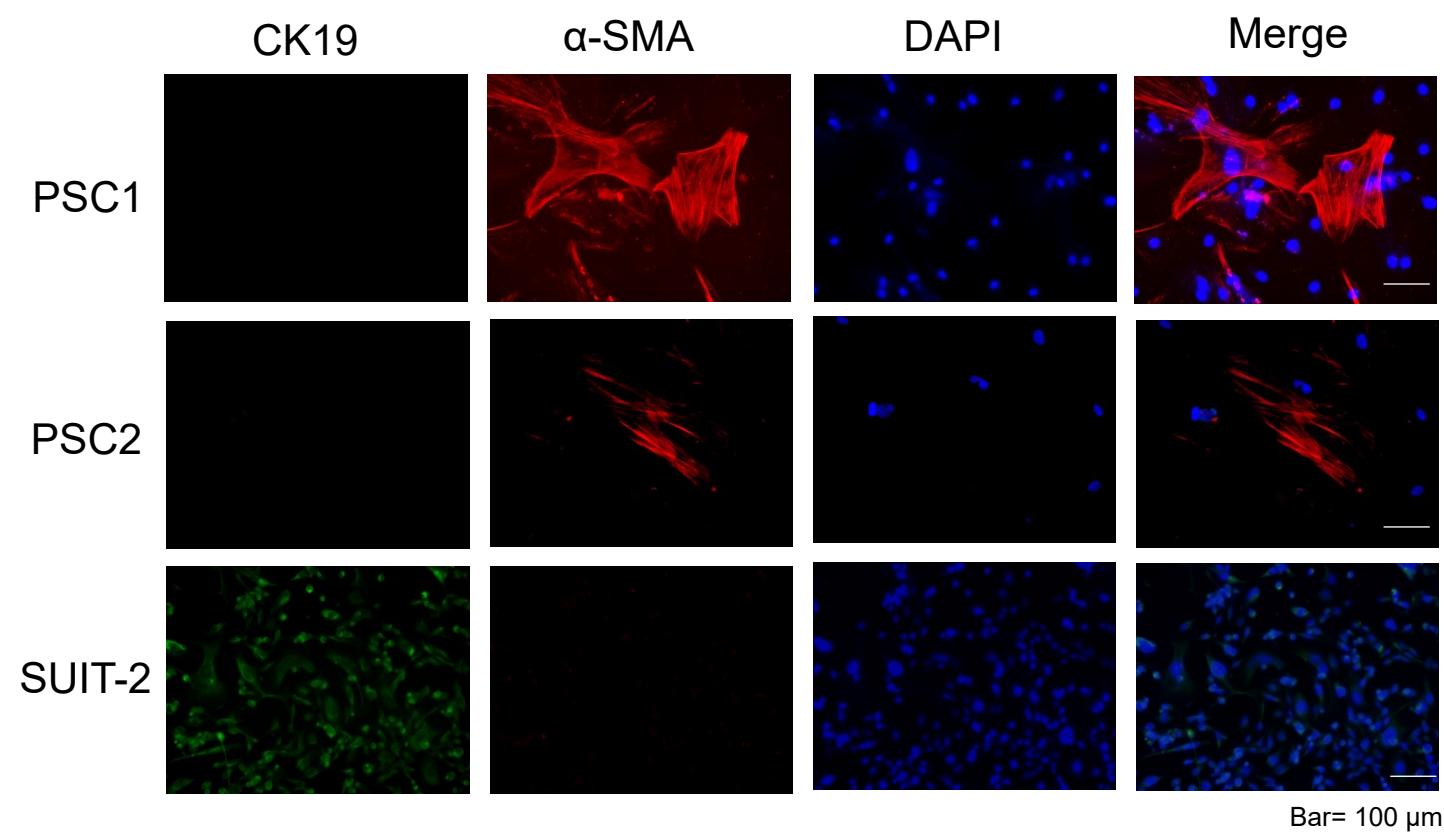
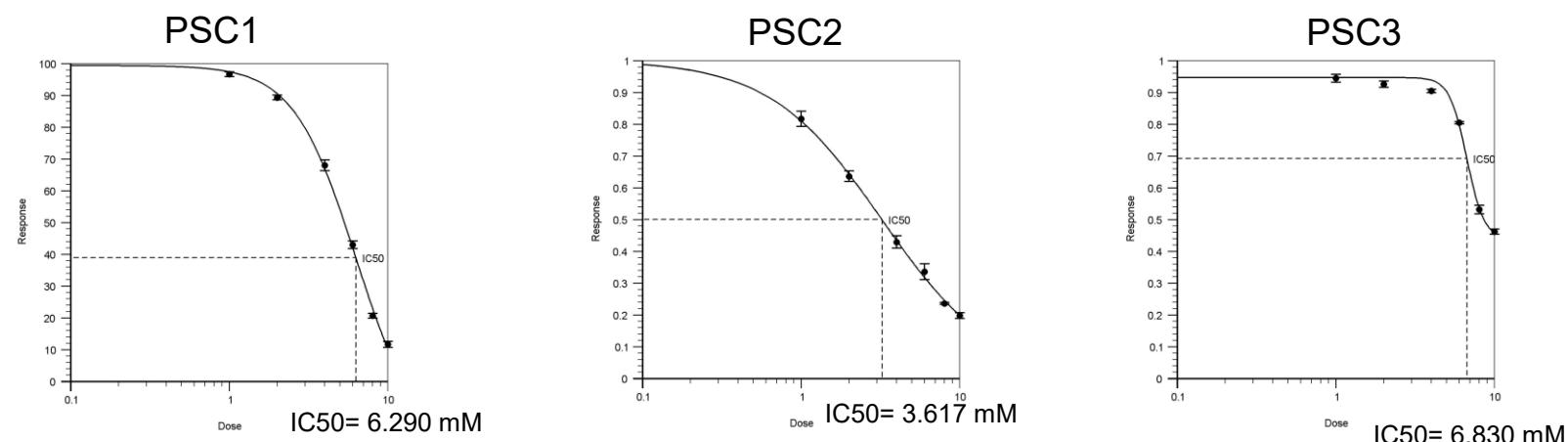
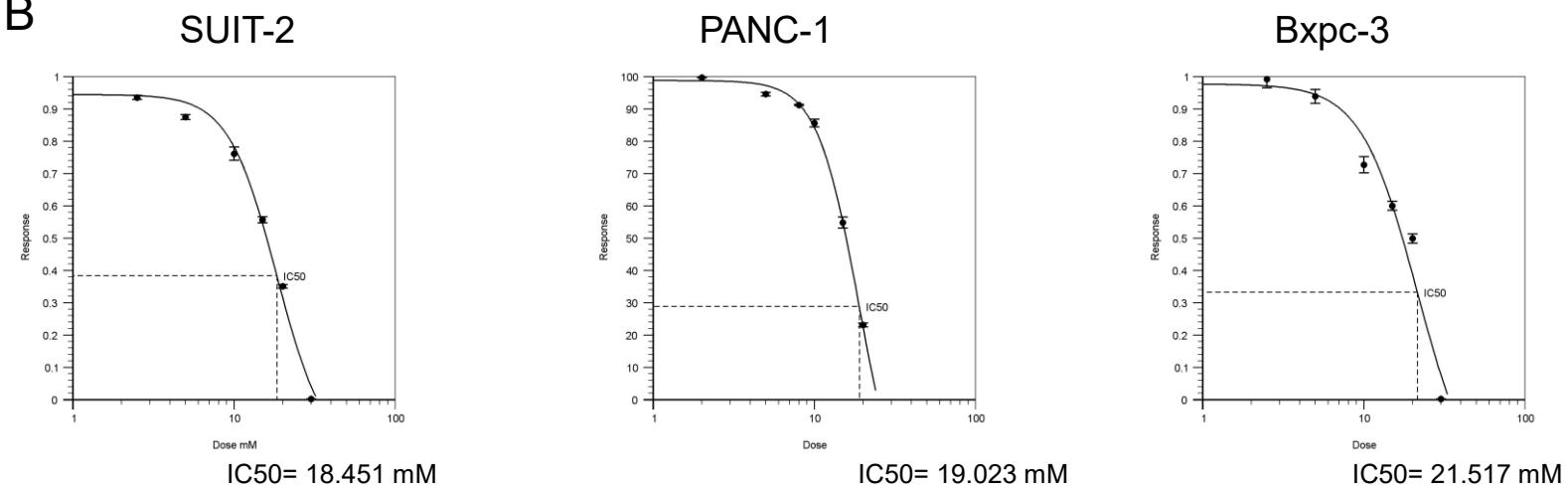


Figure S2

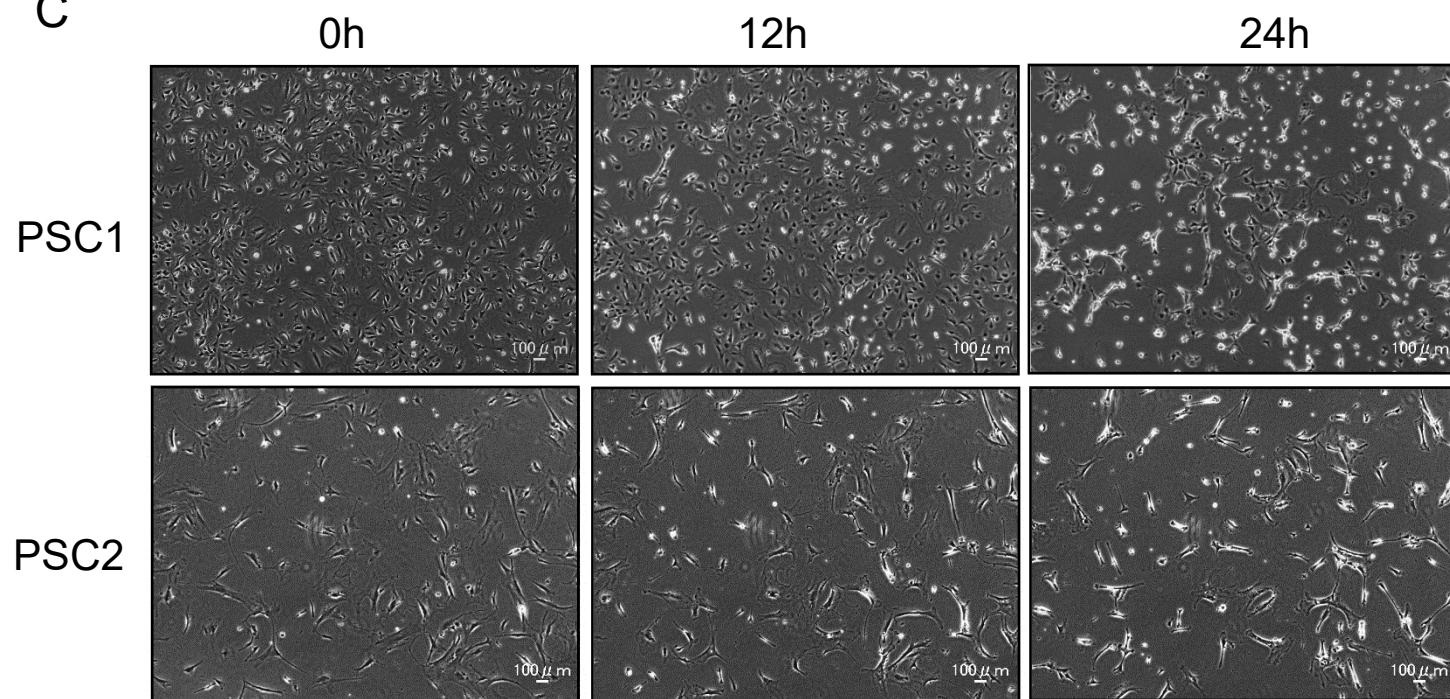
A



B

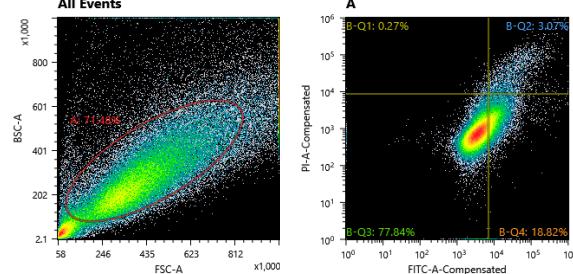


C



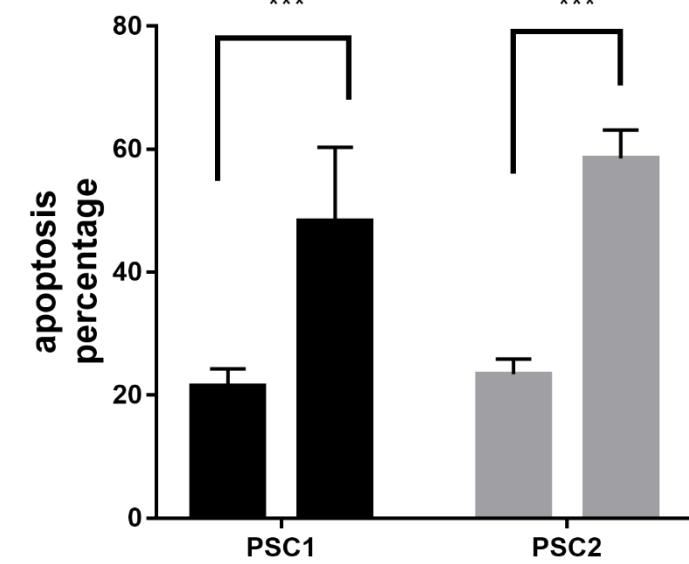
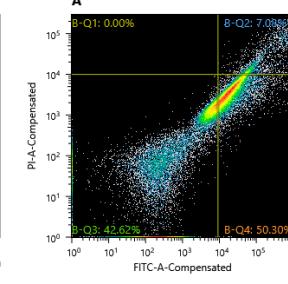
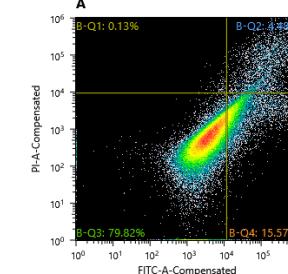
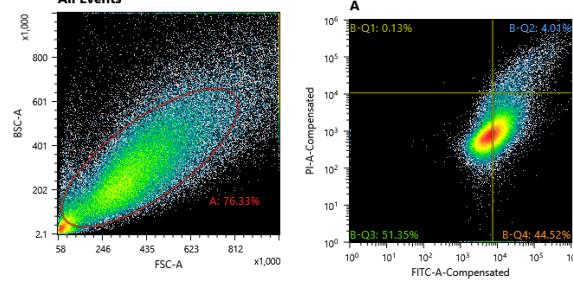
D

Before  
NAC-treat



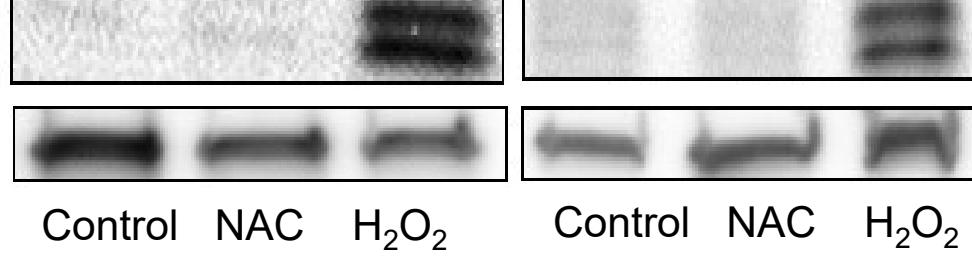
PSC2

After 48h  
NAC-treat



E

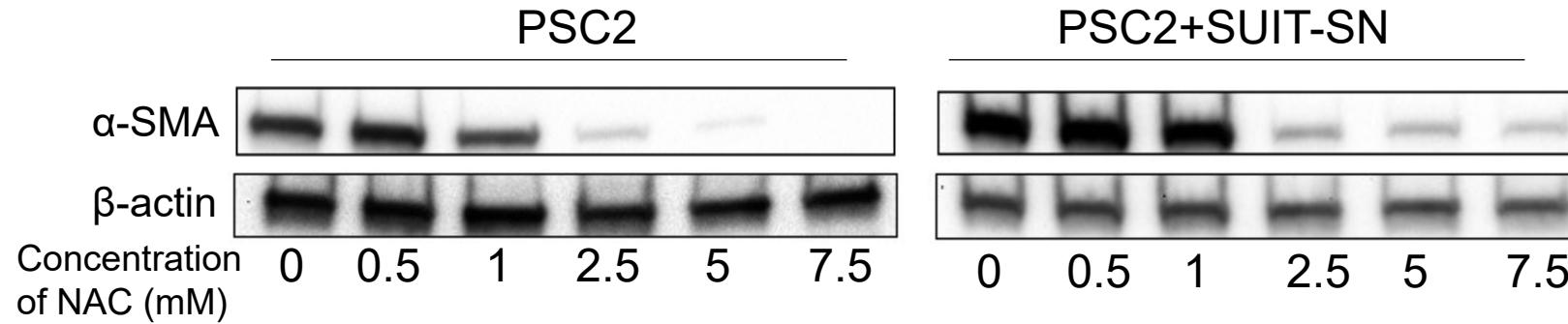
cleaved  
caspase-3

 $\beta$ -actinControl NAC  $H_2O_2$ 

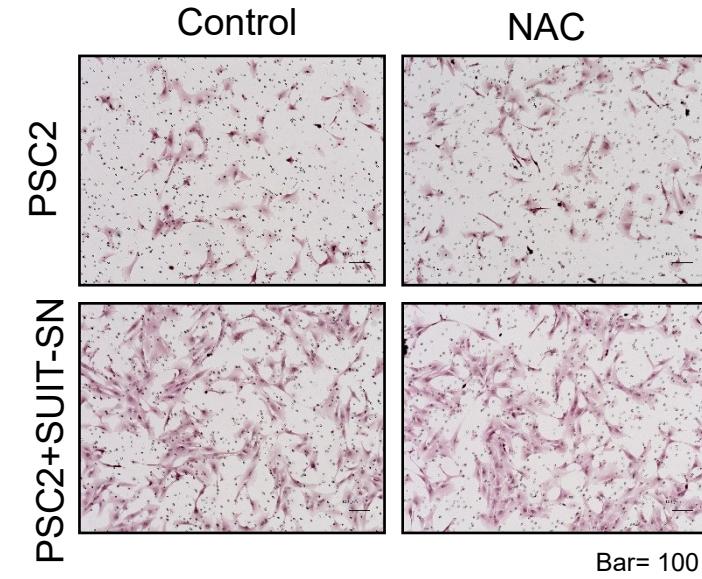
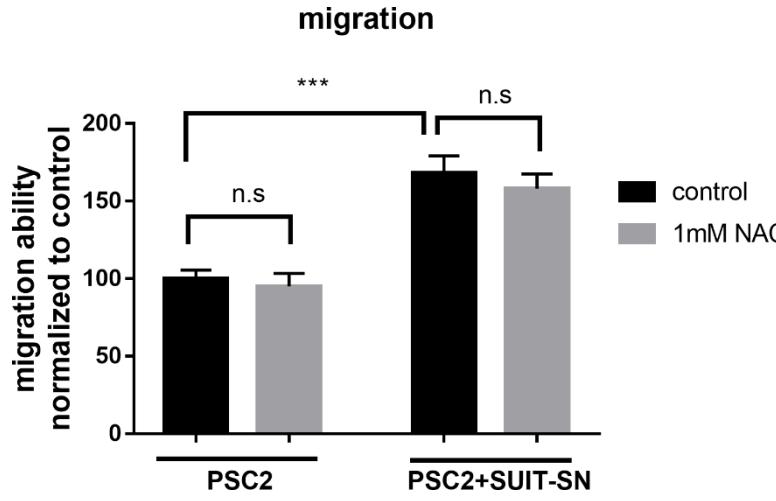
PSC2

PSC1

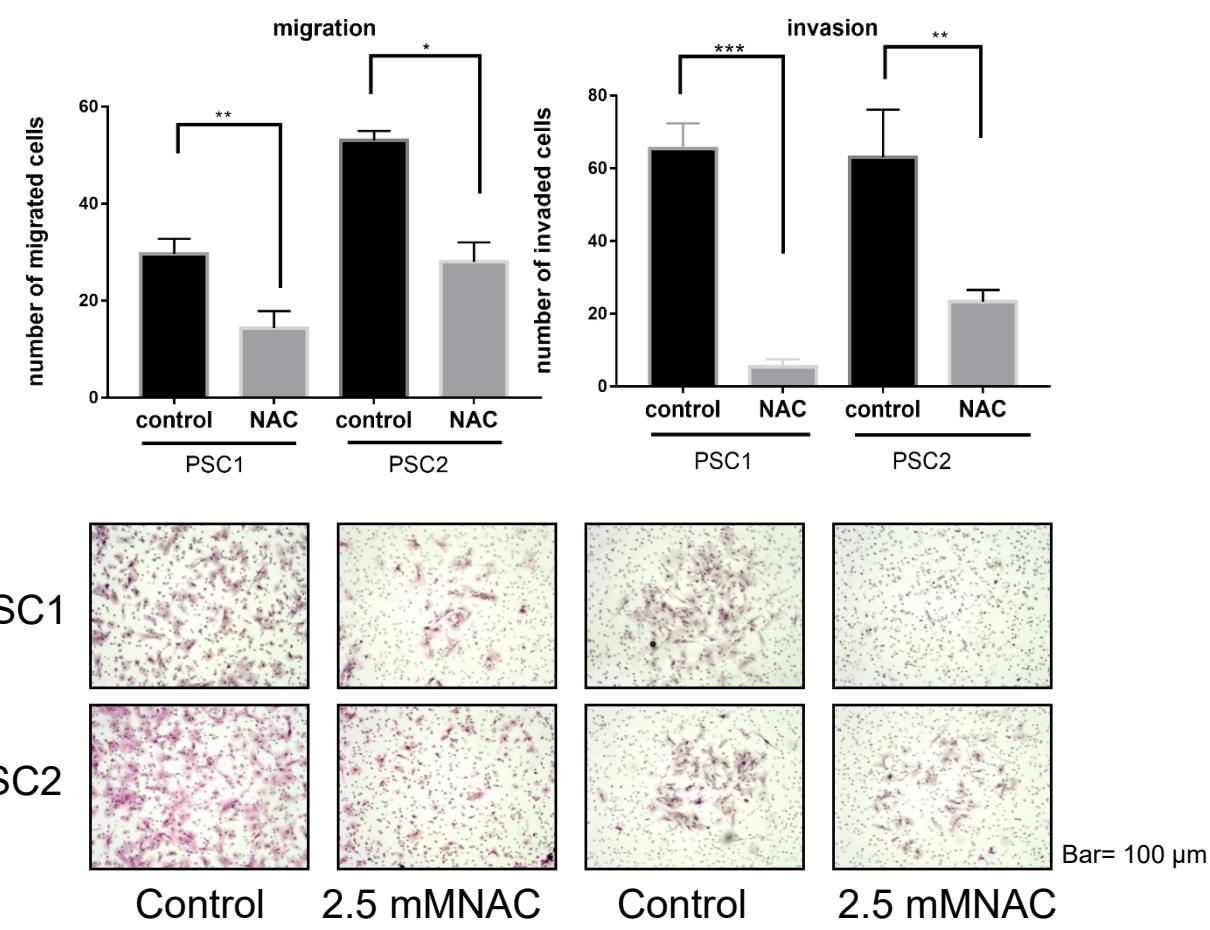
F



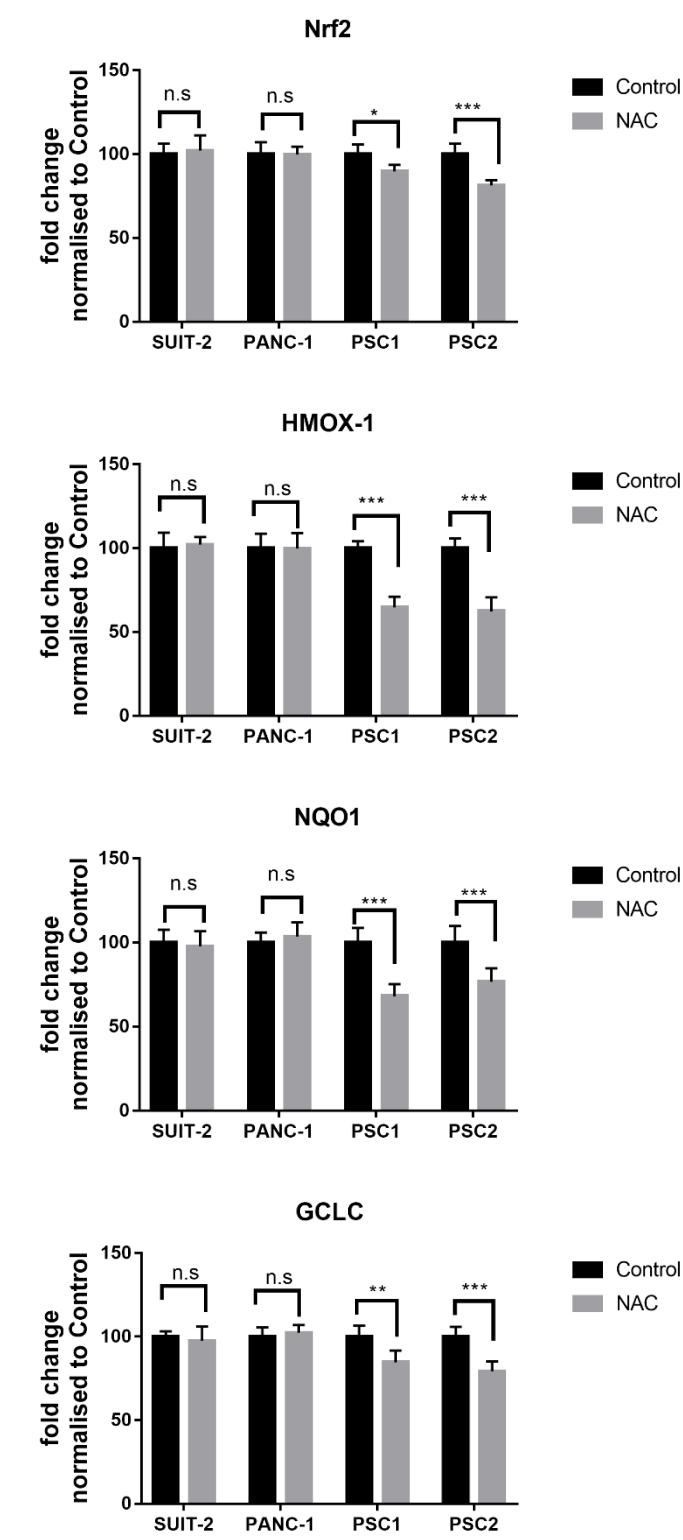
G



H



J



I

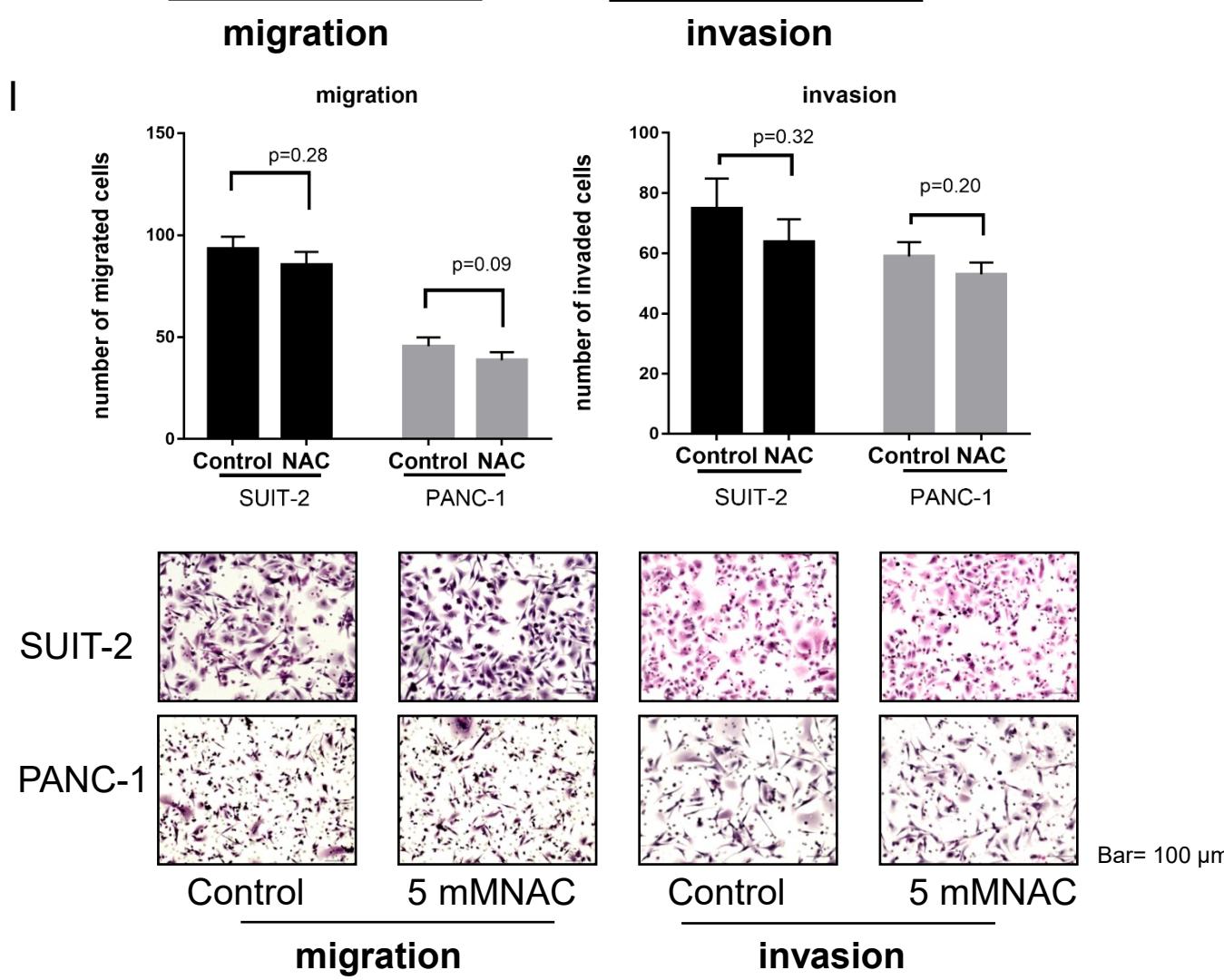
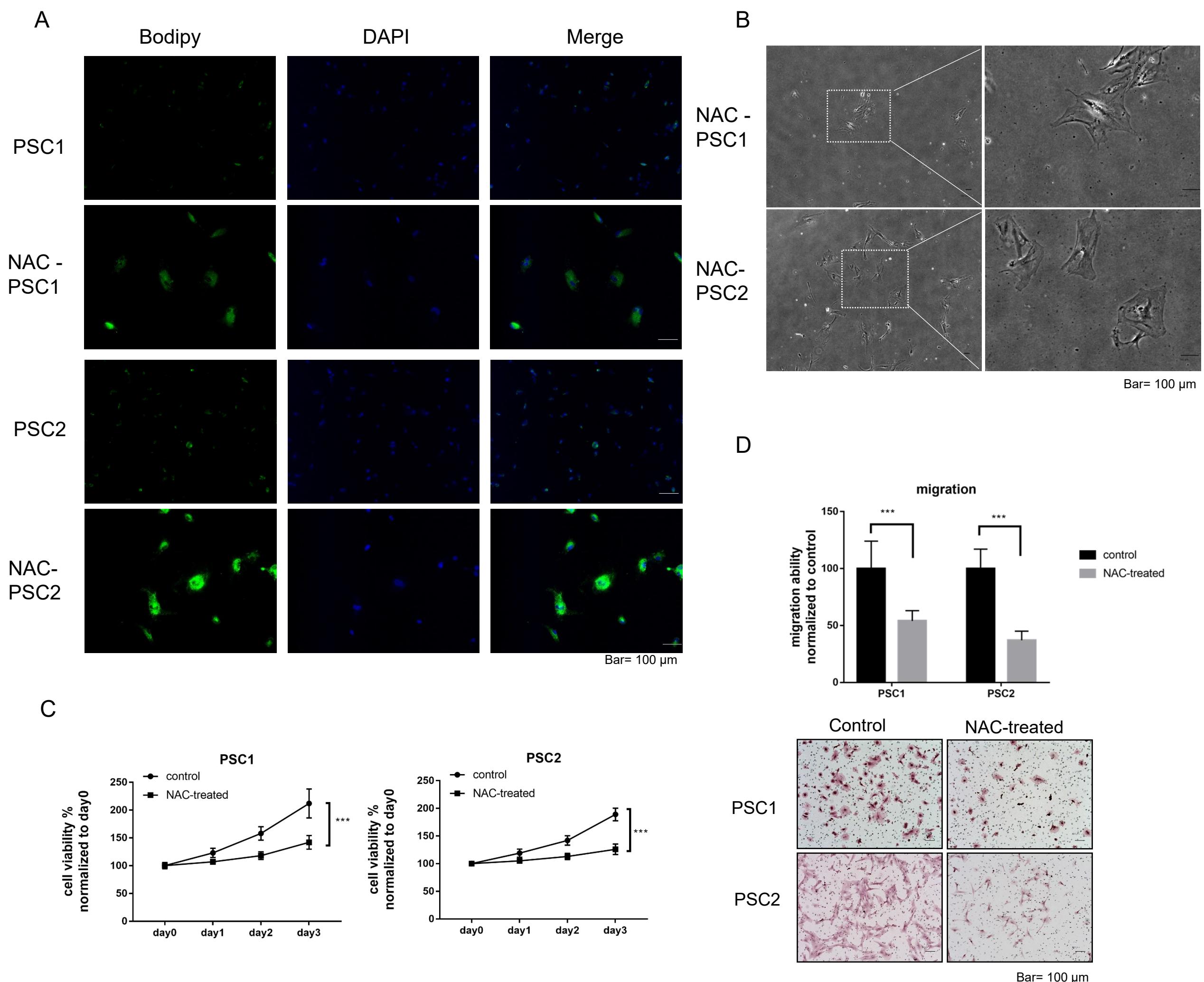


Figure S3



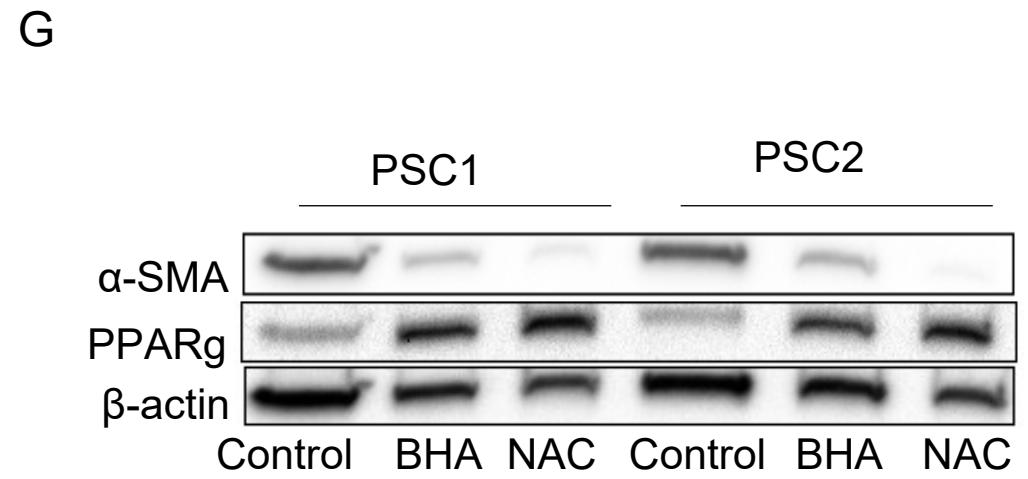
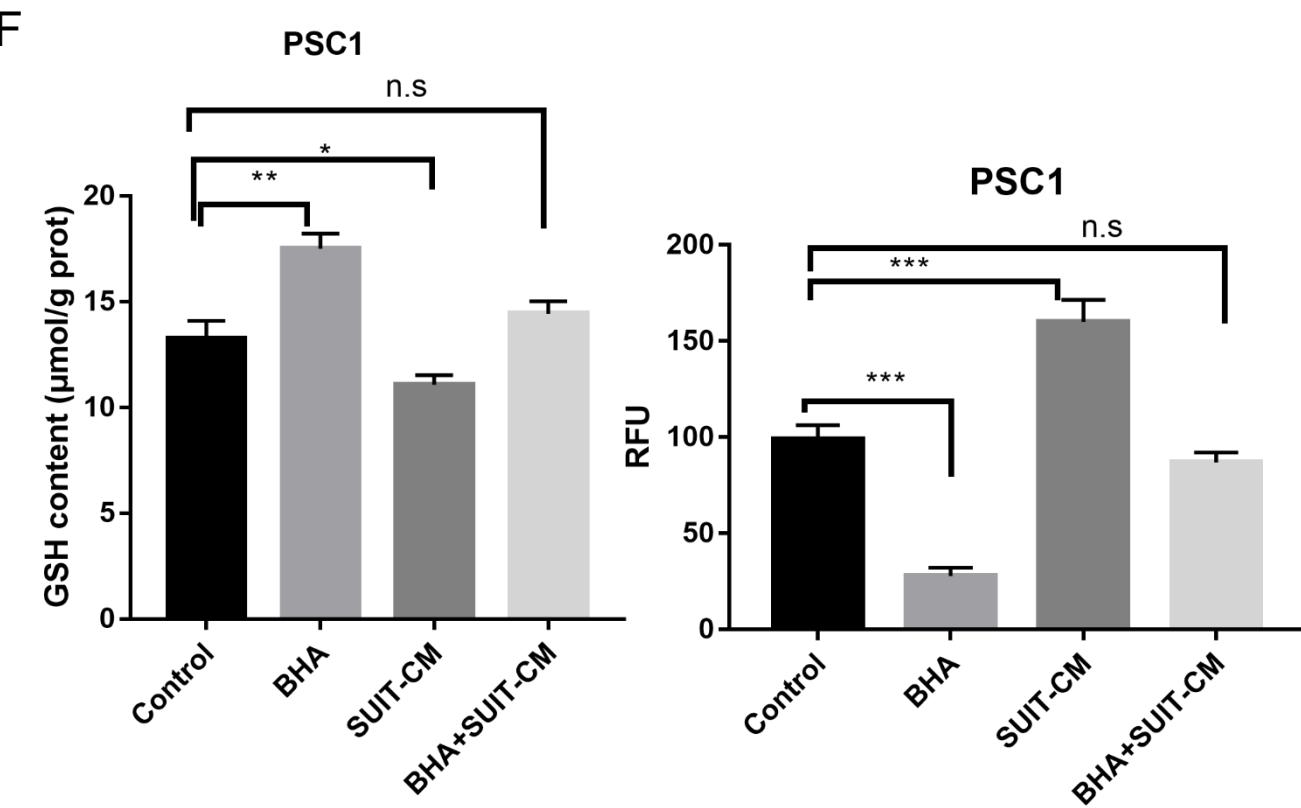
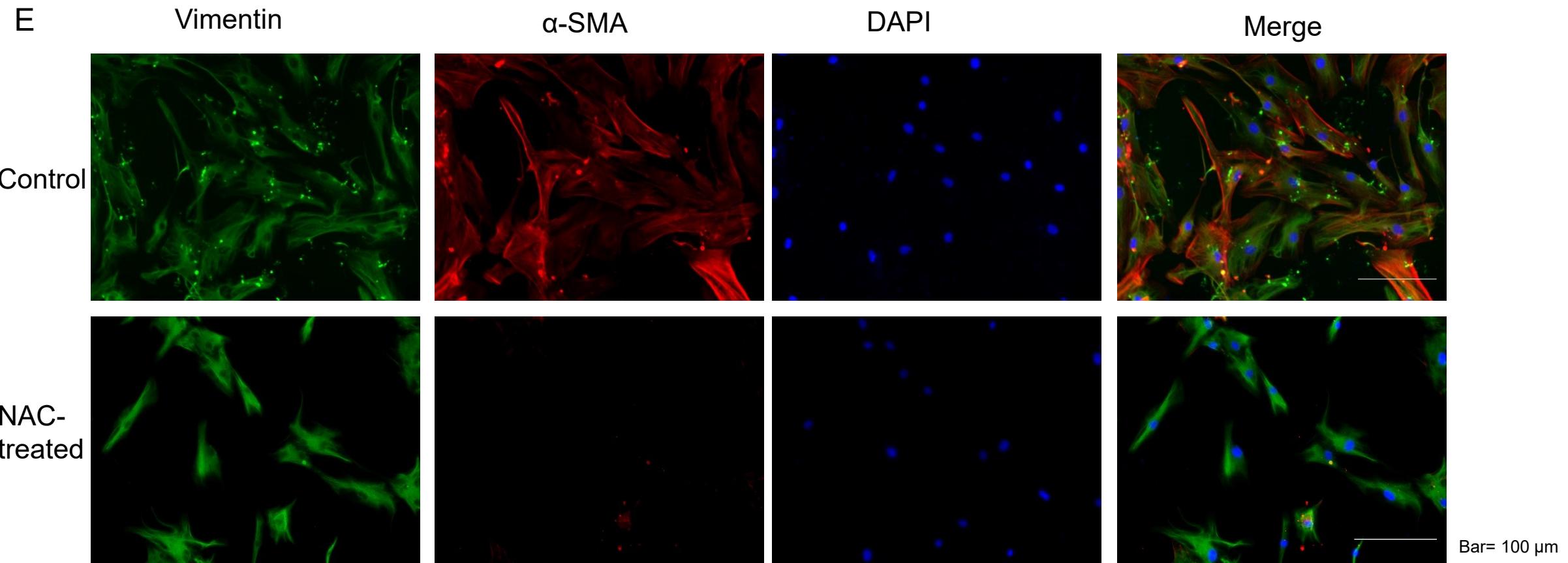
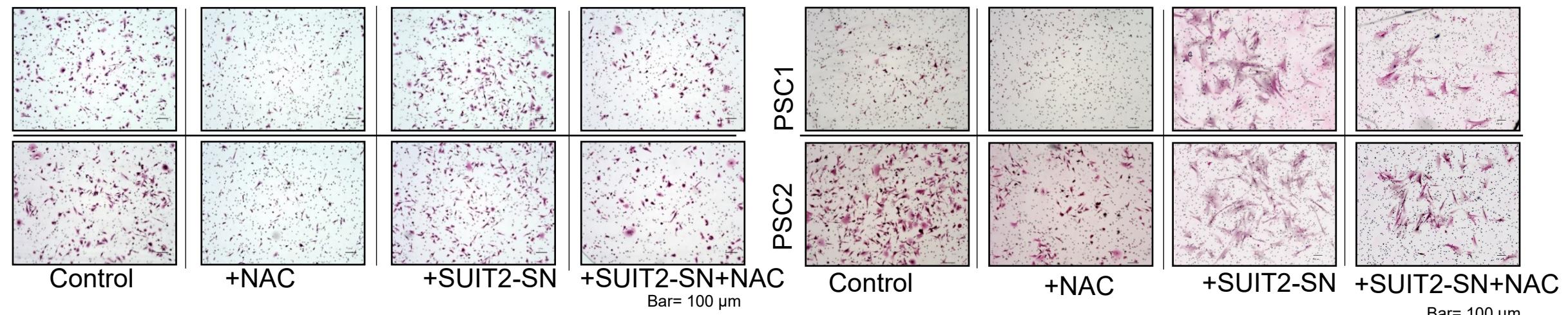
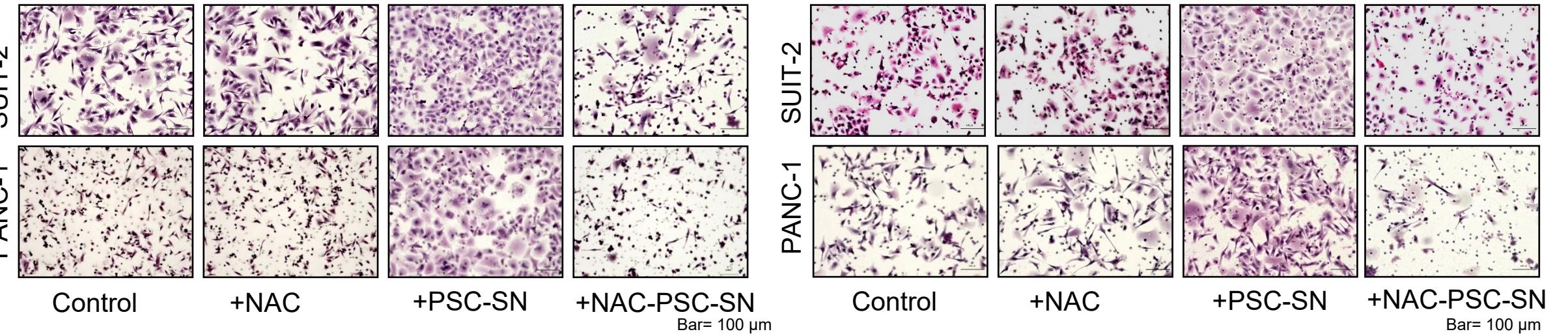


Figure S4

A



B



C

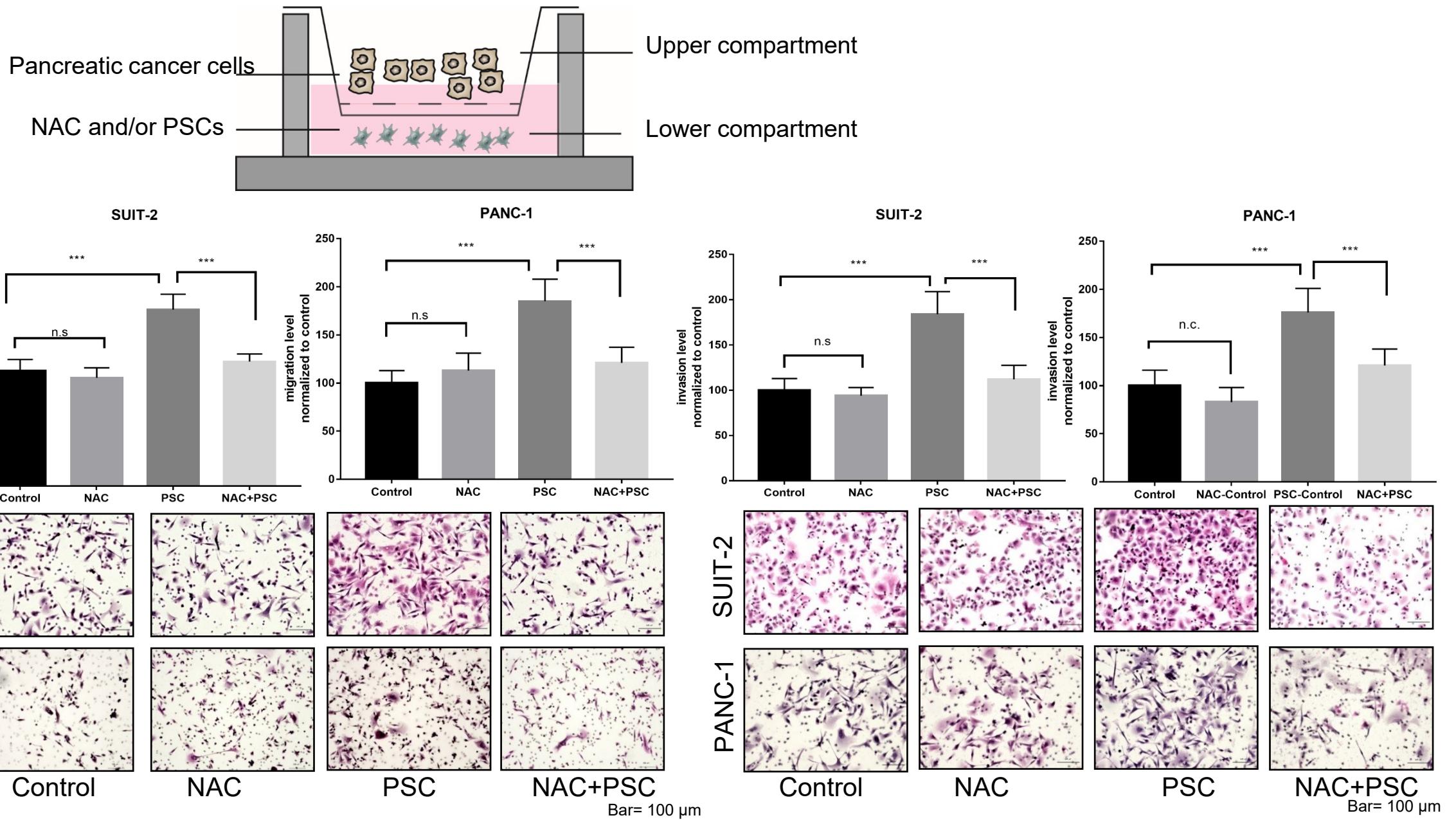
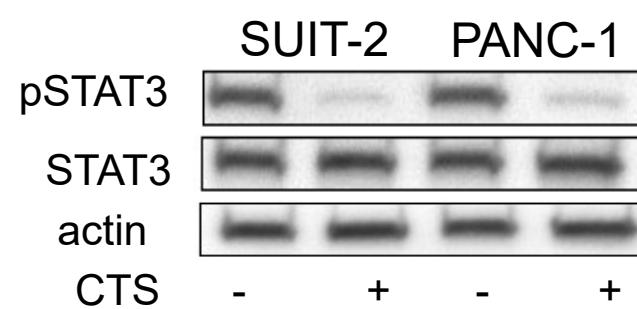
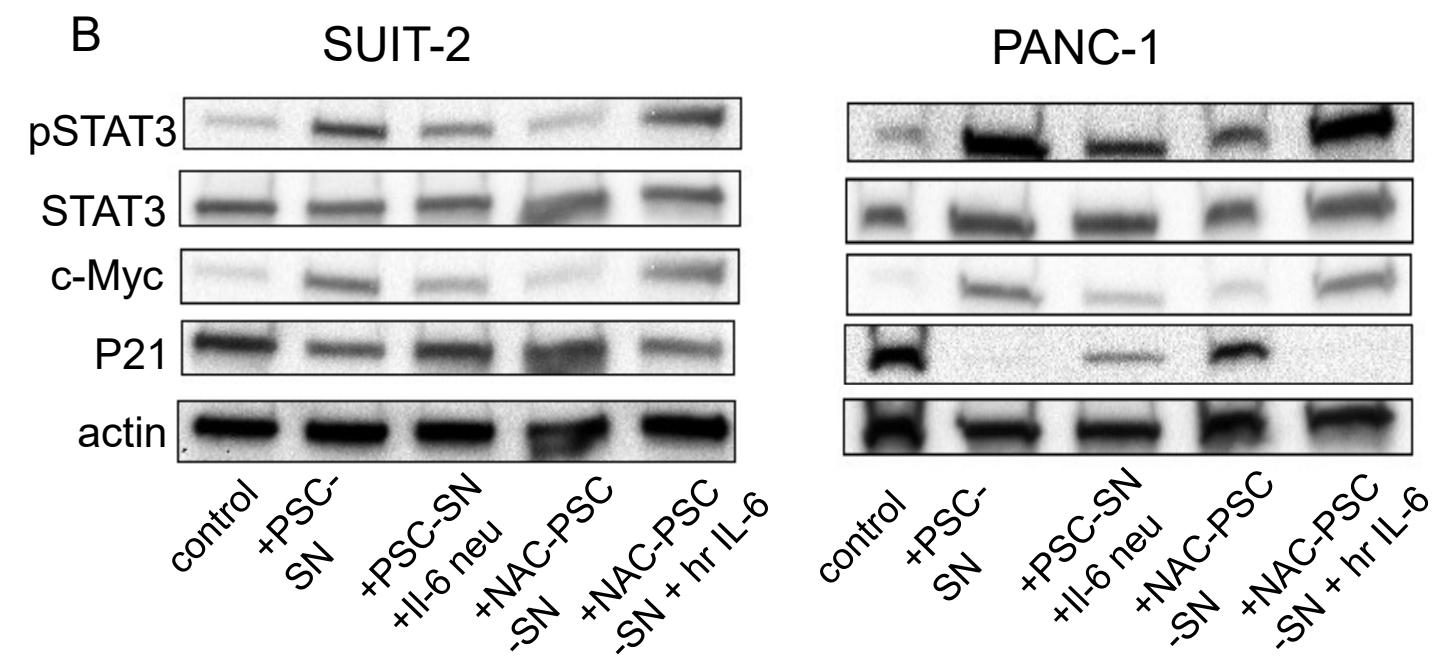


Figure S5

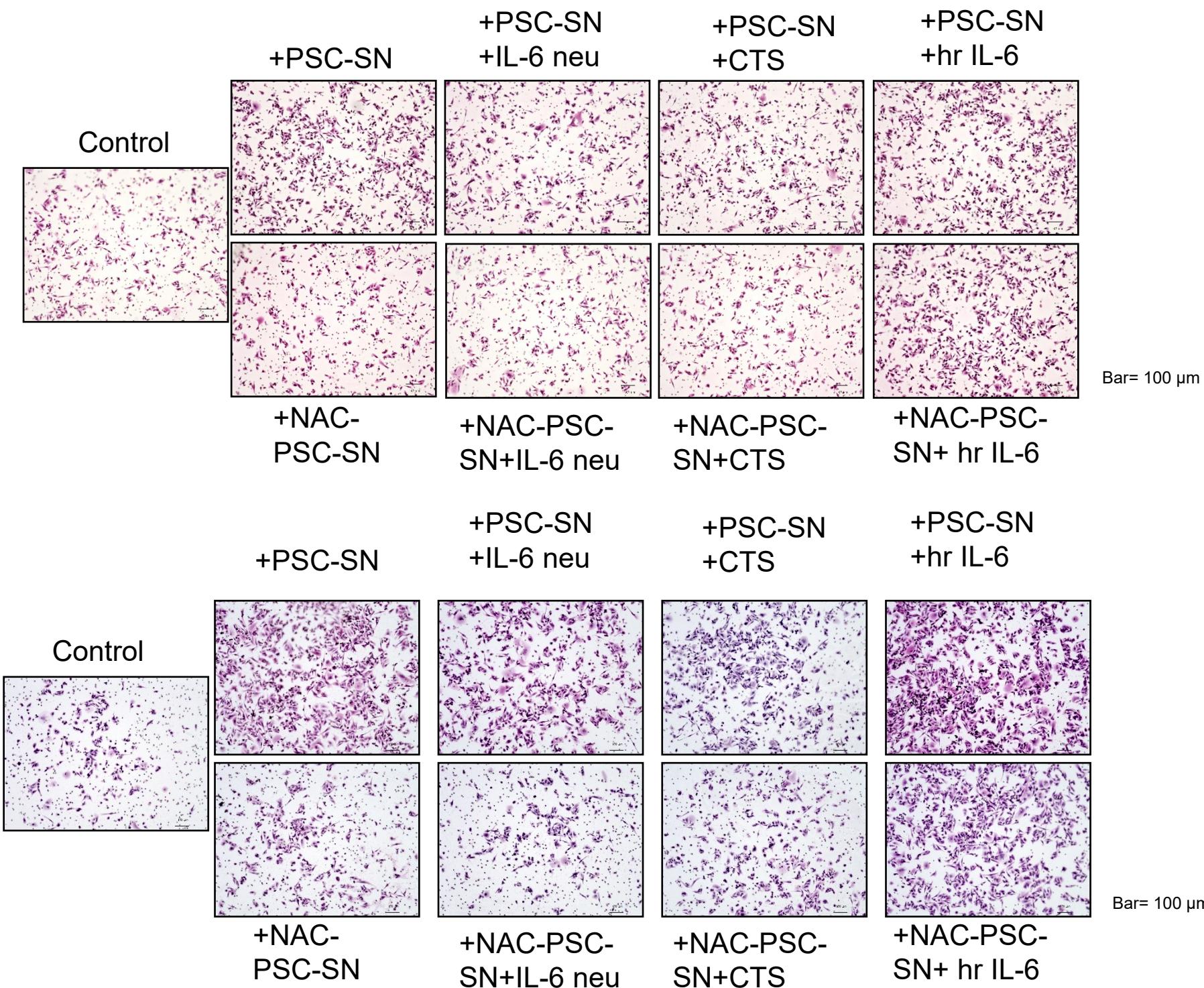
A



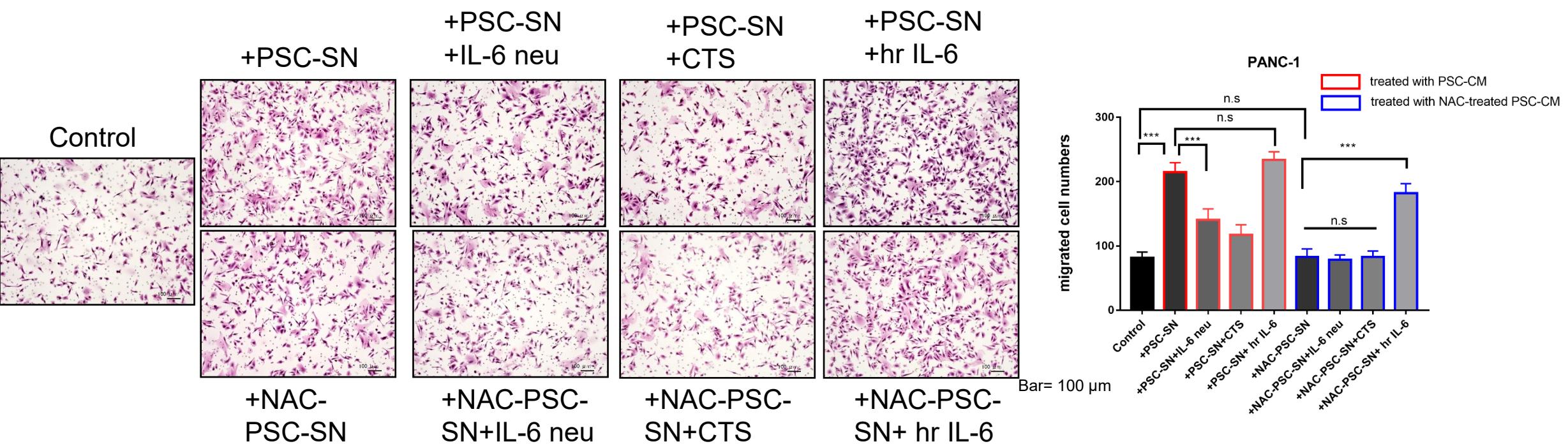
B



C



D



E

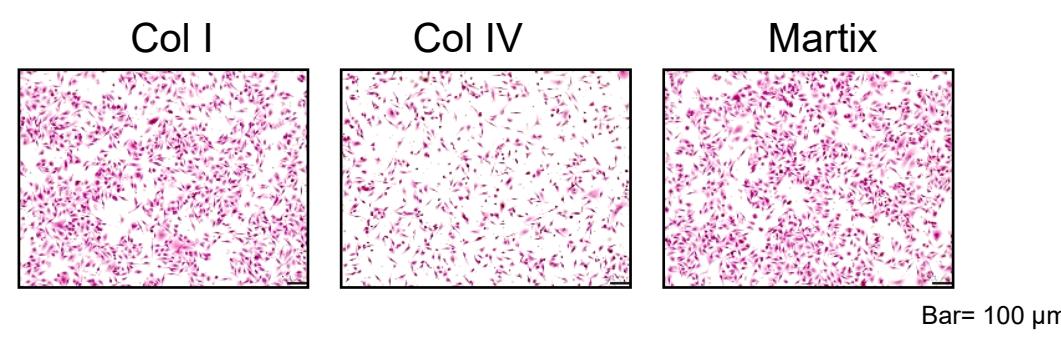
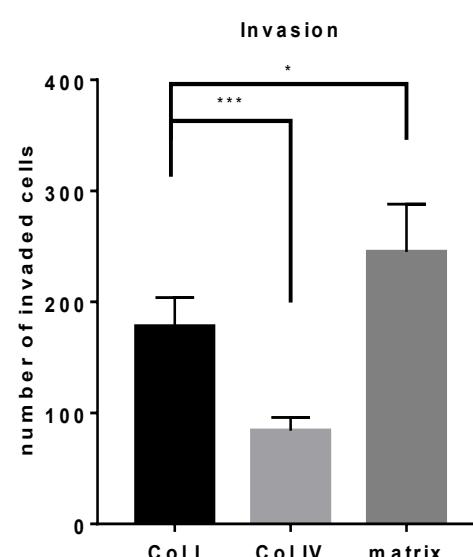
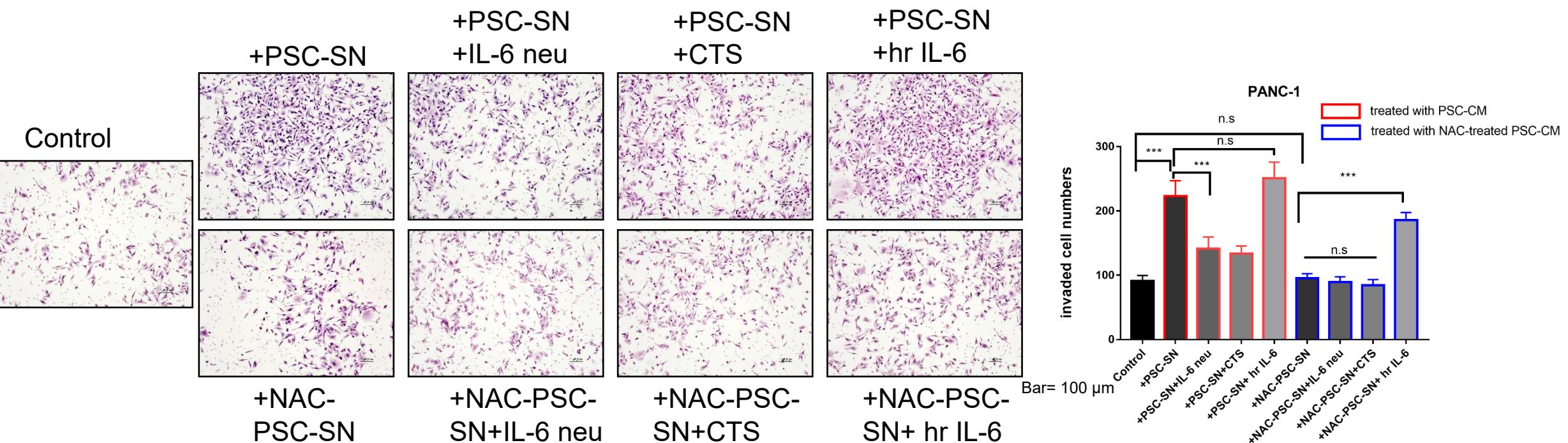
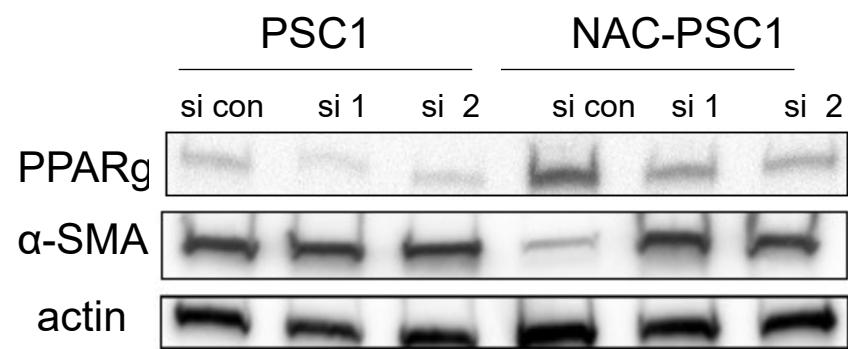
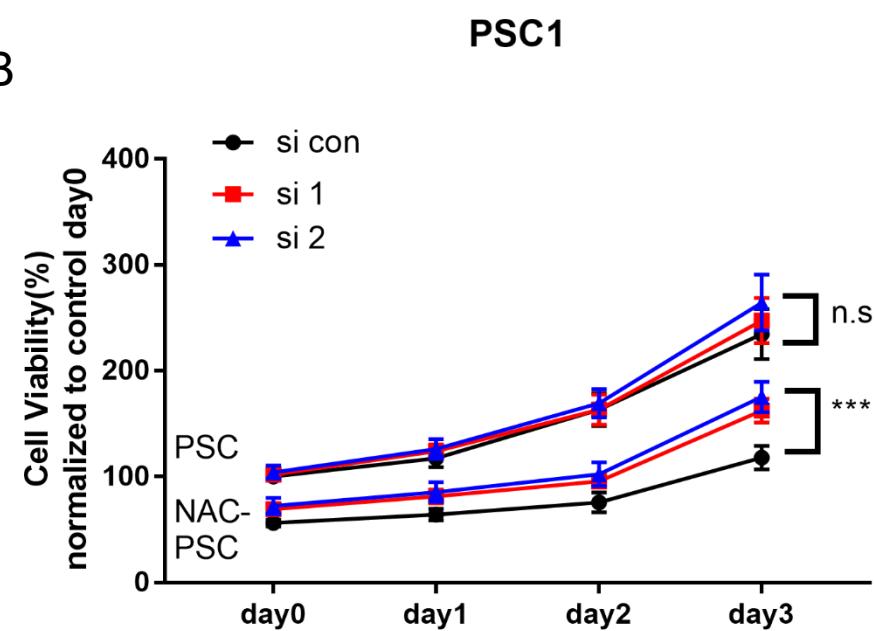


Figure S6

A



B



C

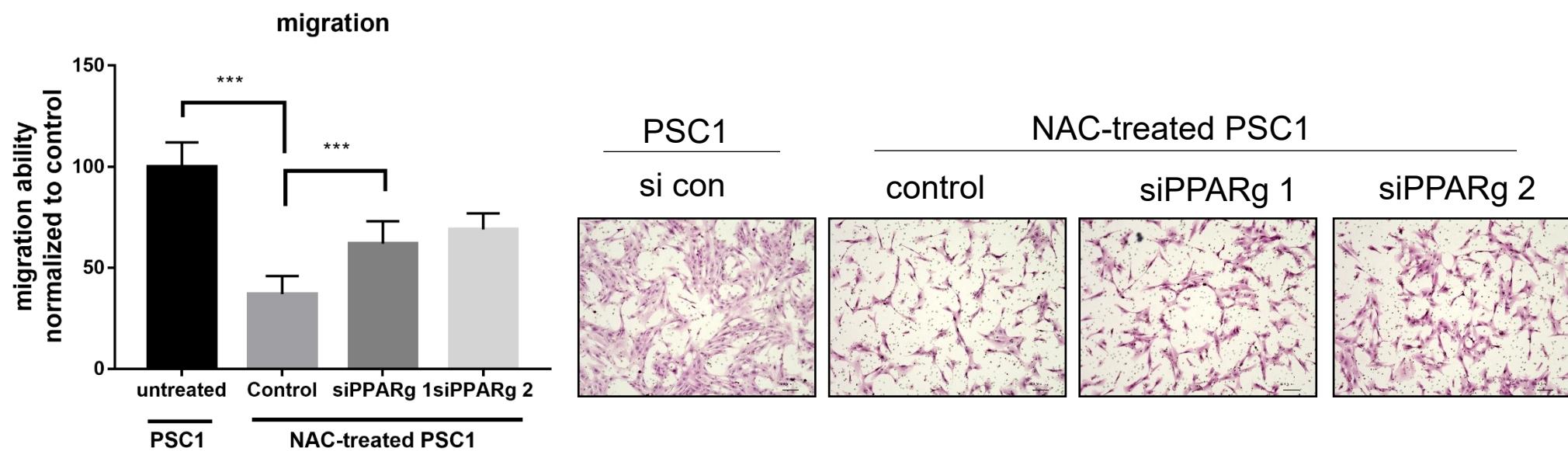
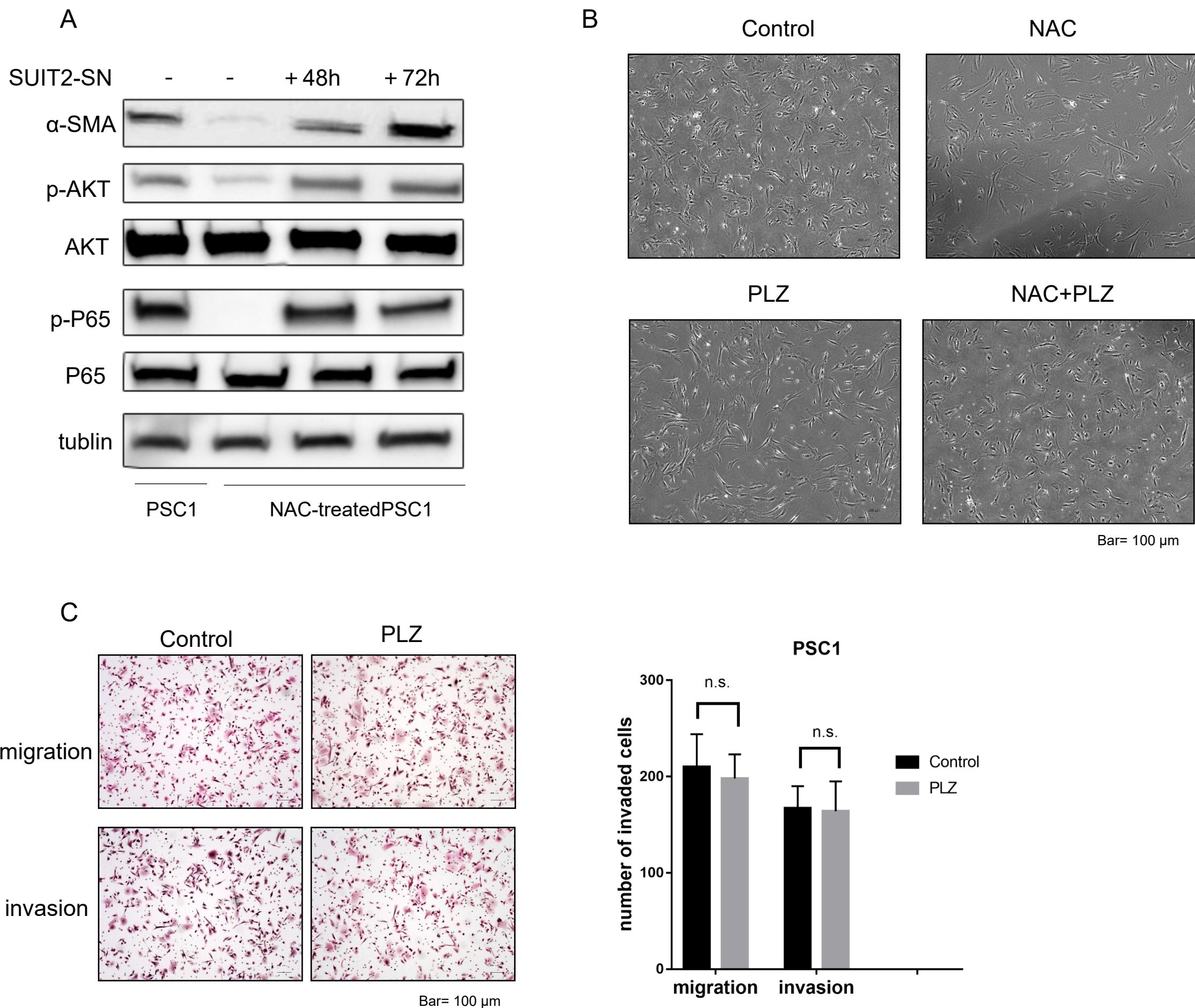
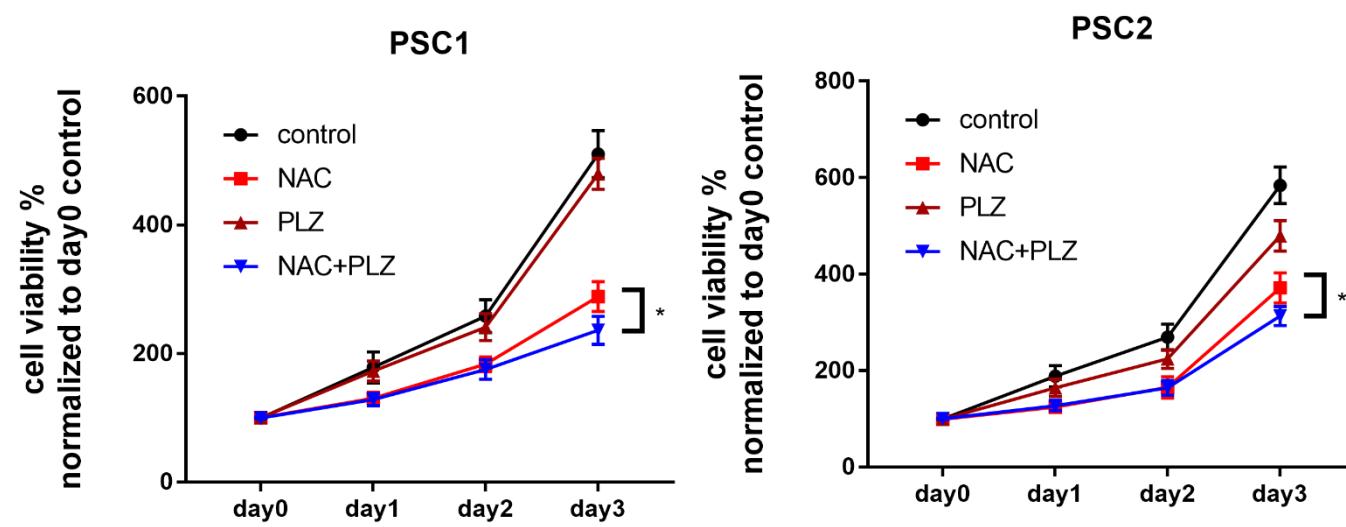


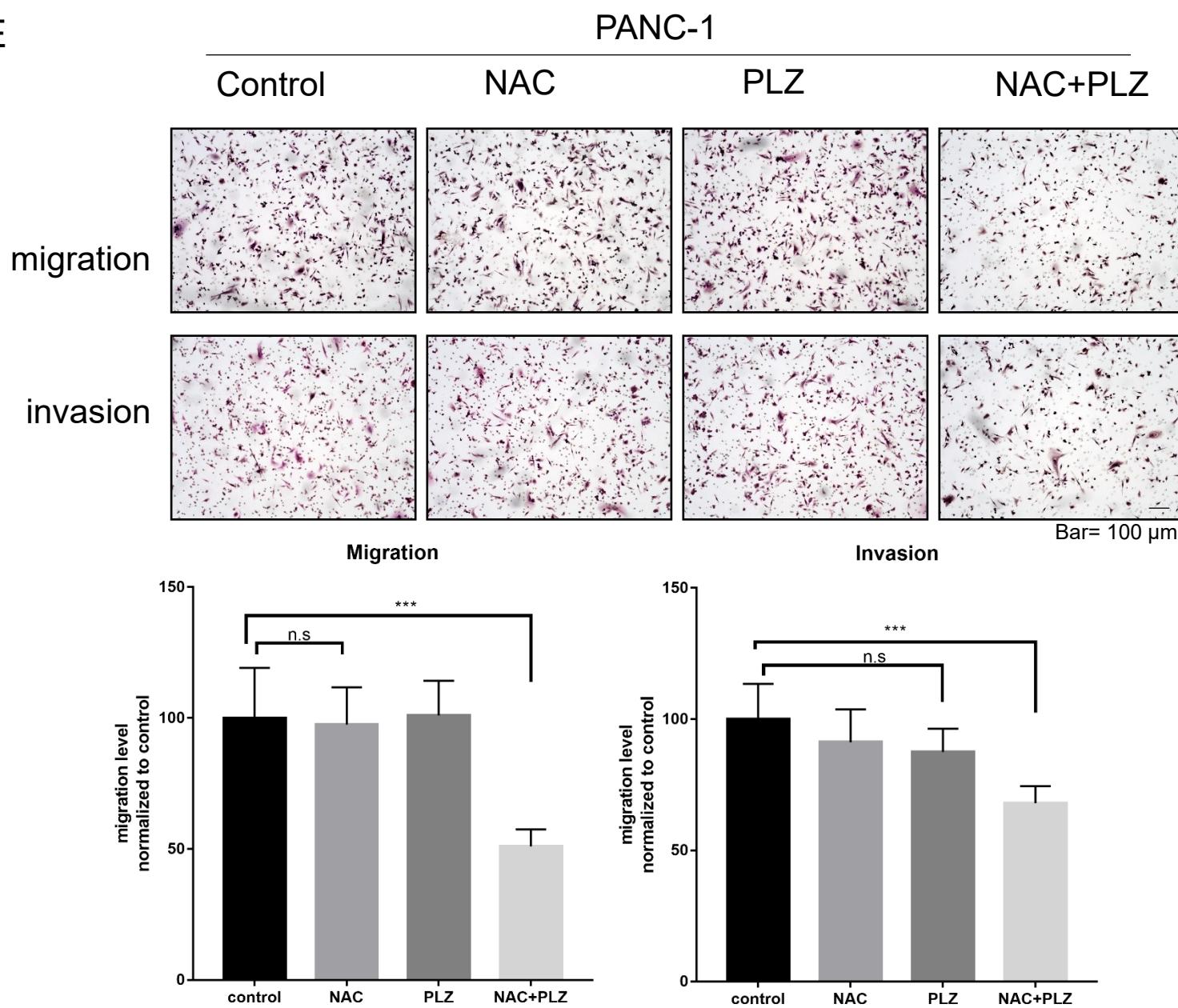
Figure S7



D

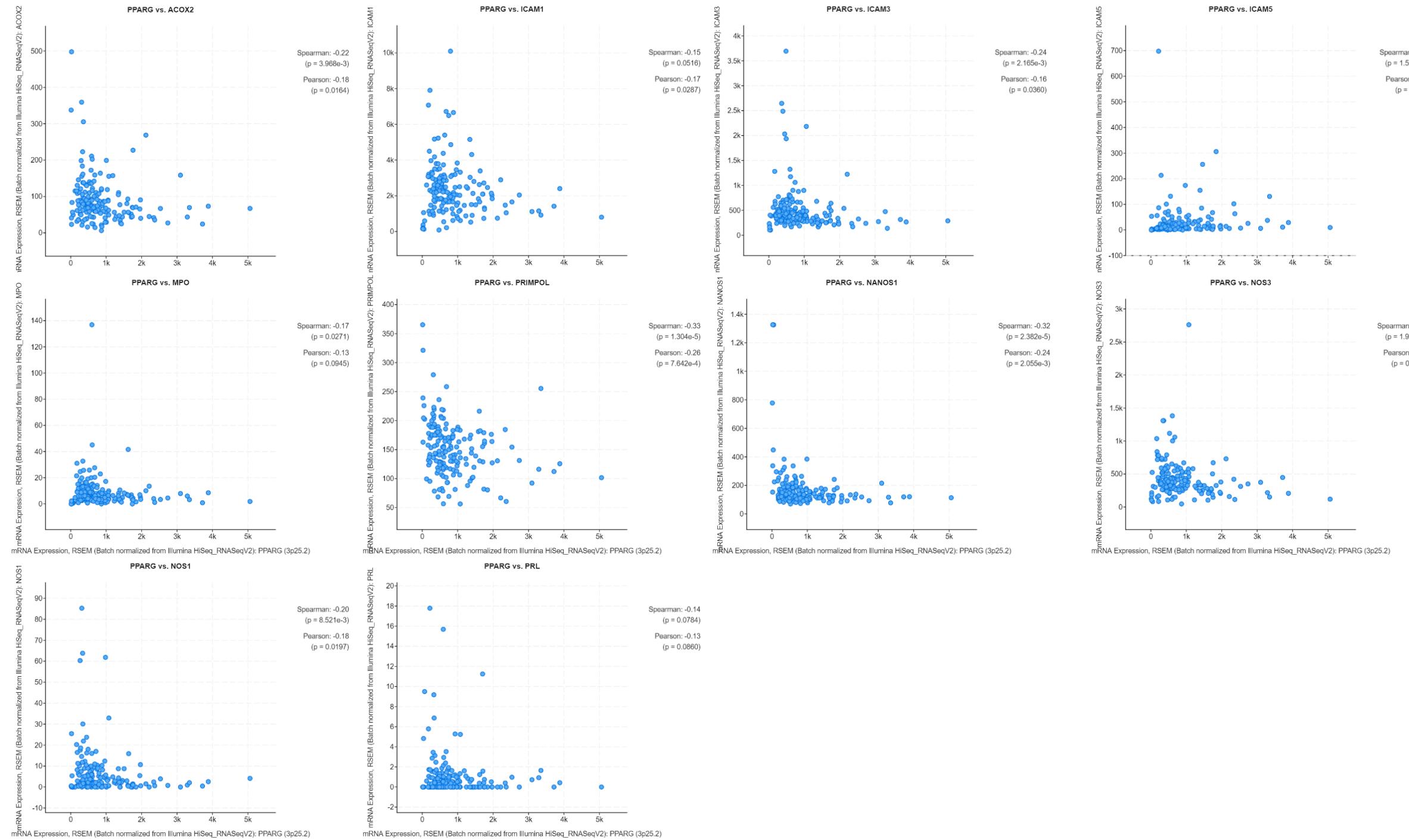


E



**Figure S8**

**A**



**B**

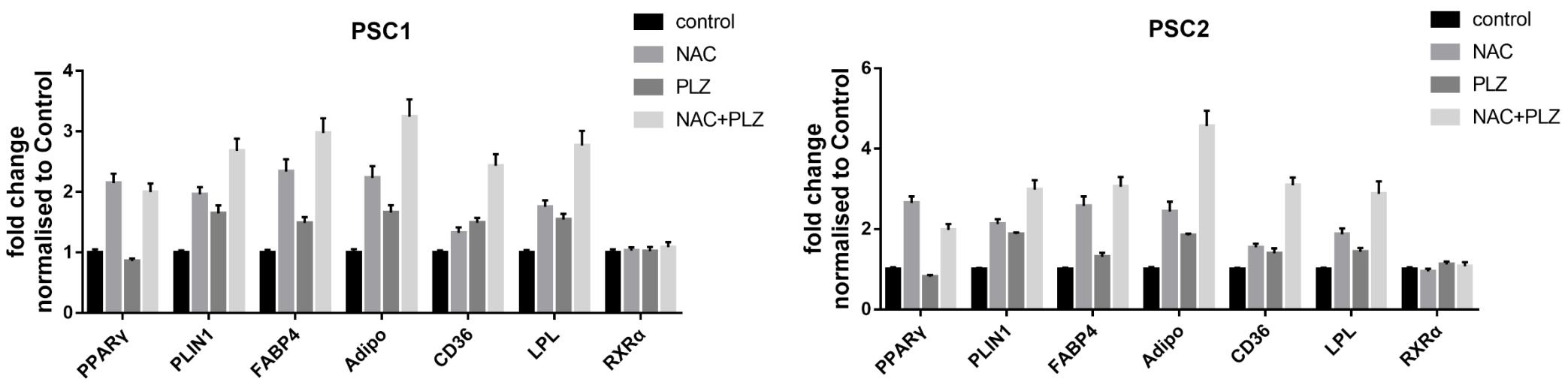
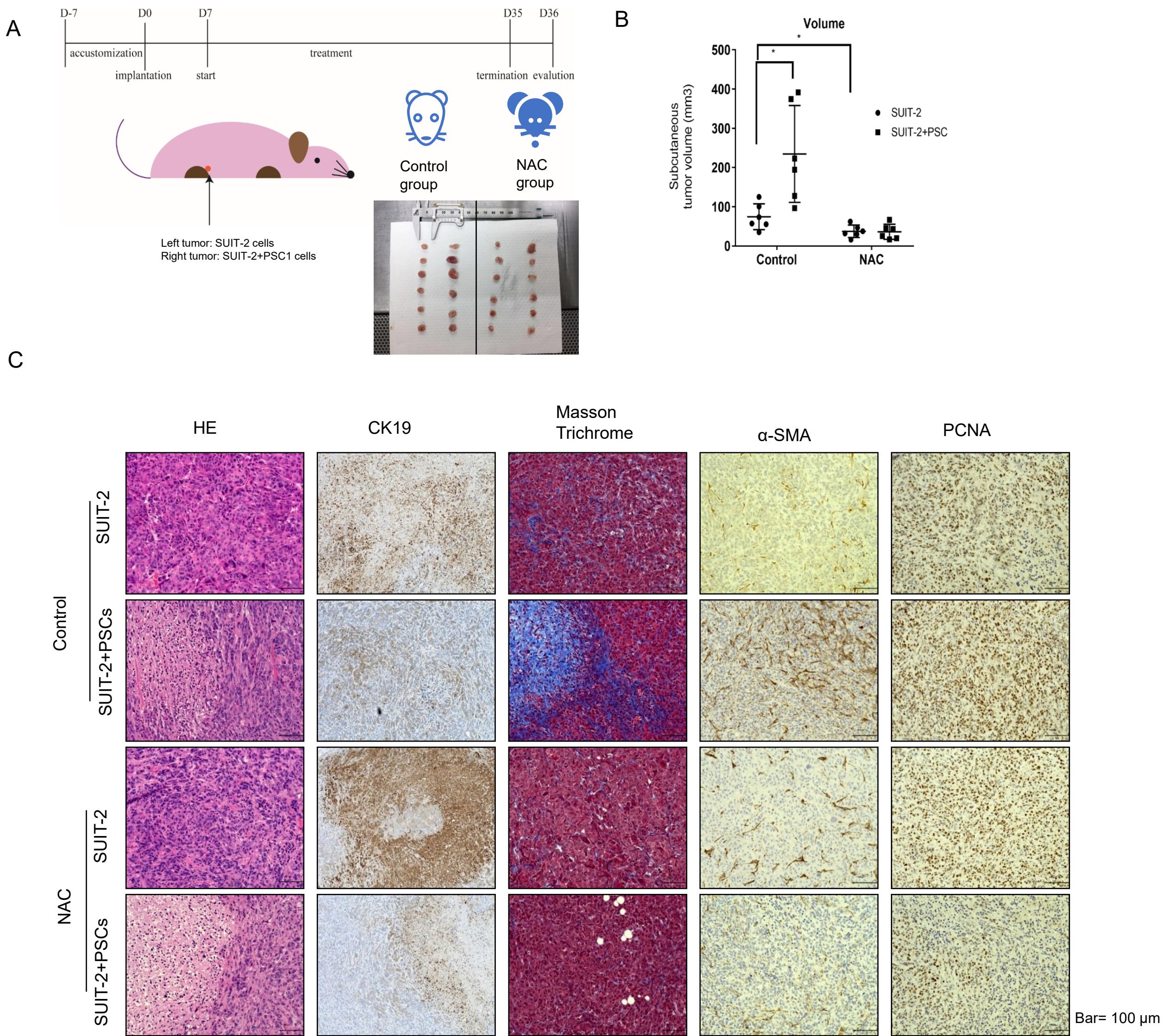
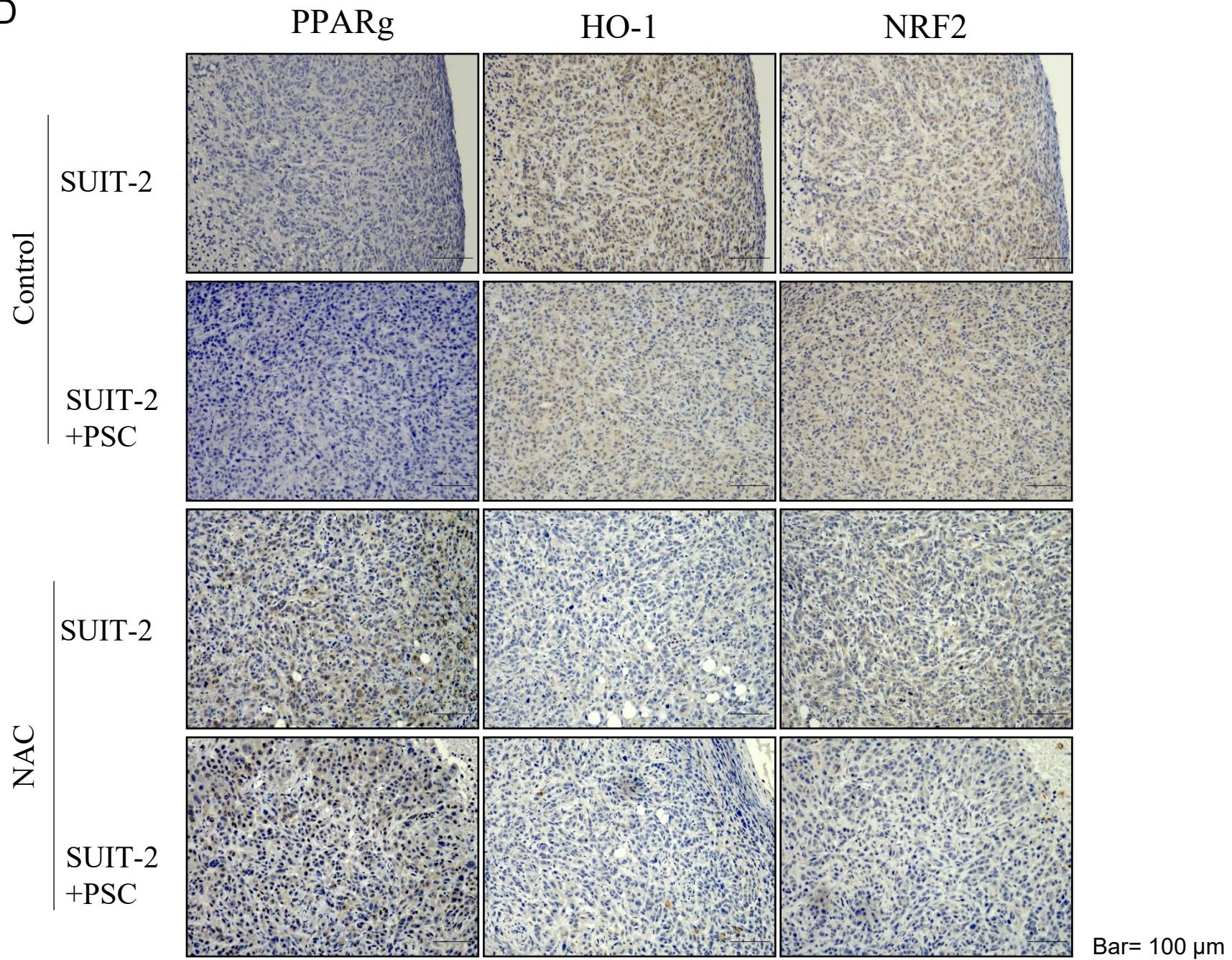


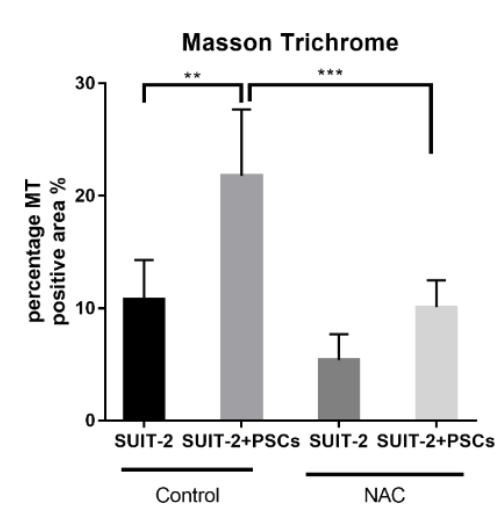
Figure S9



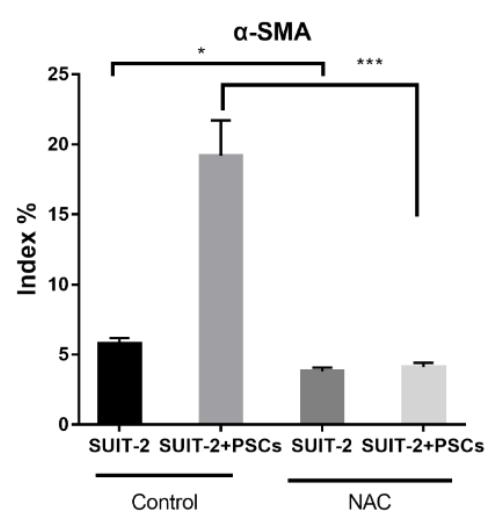
D



E



F



G

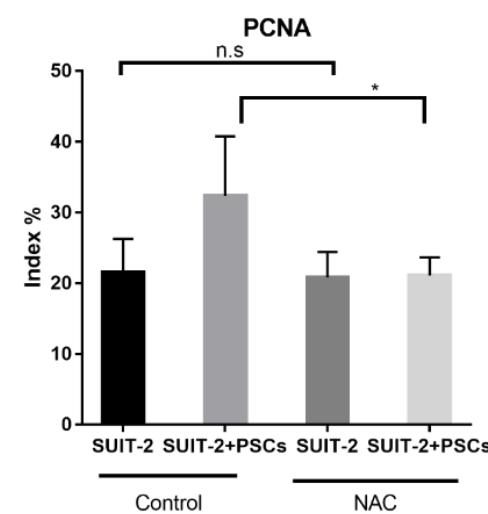
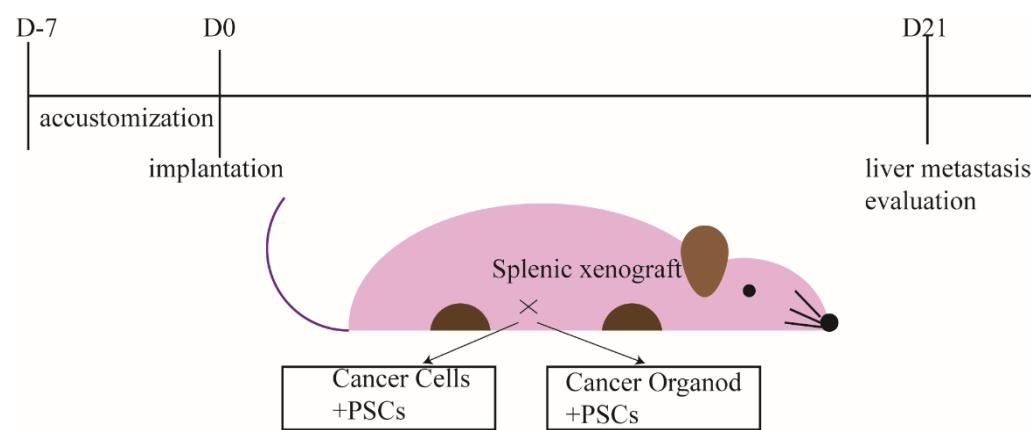
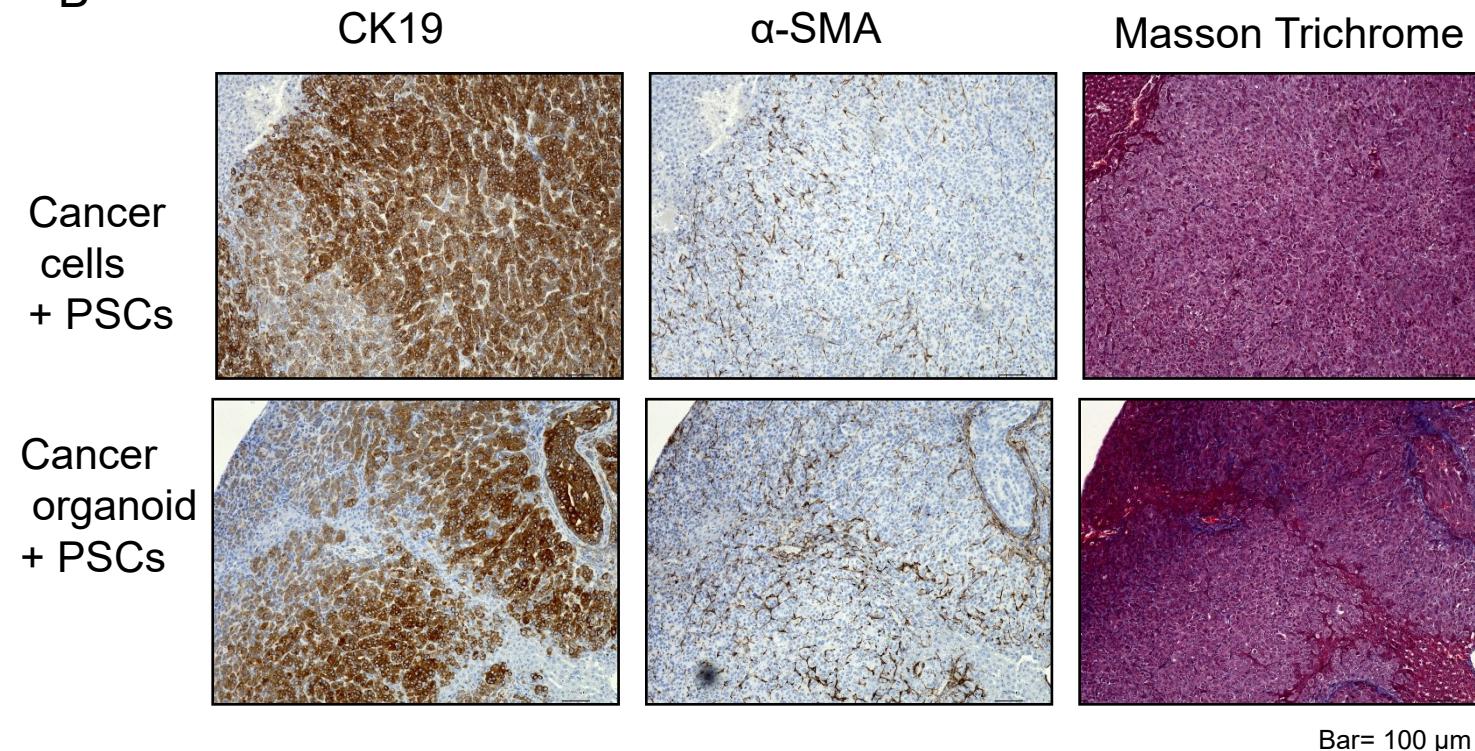


Figure S10

A



B



C

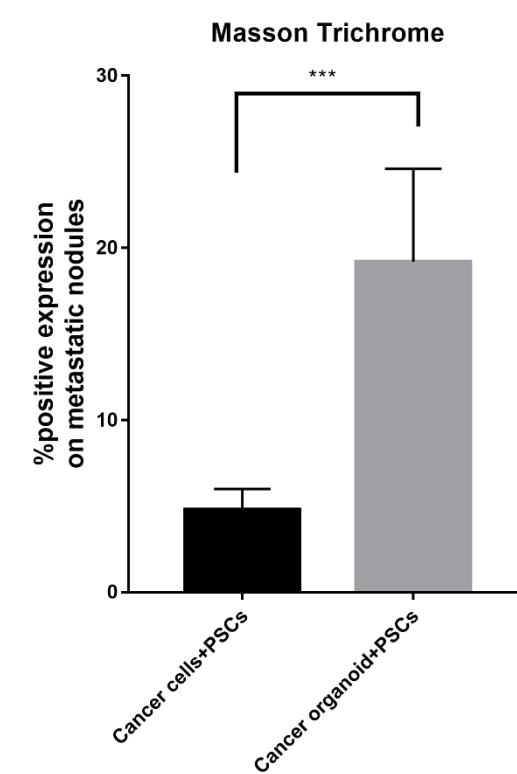
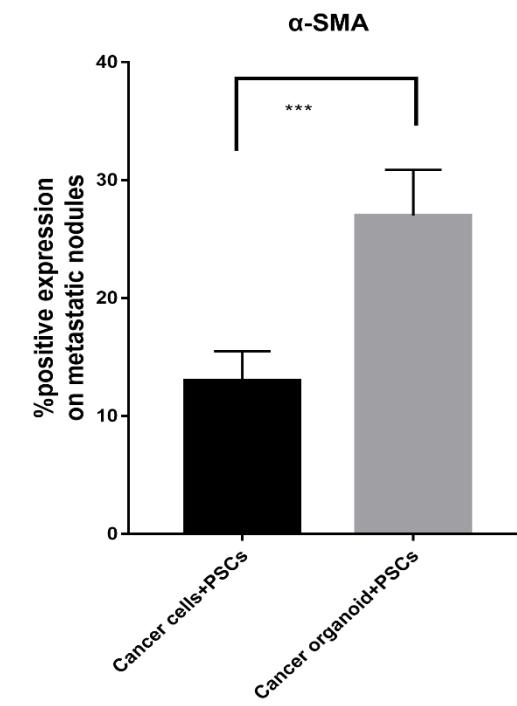


Figure S11

A



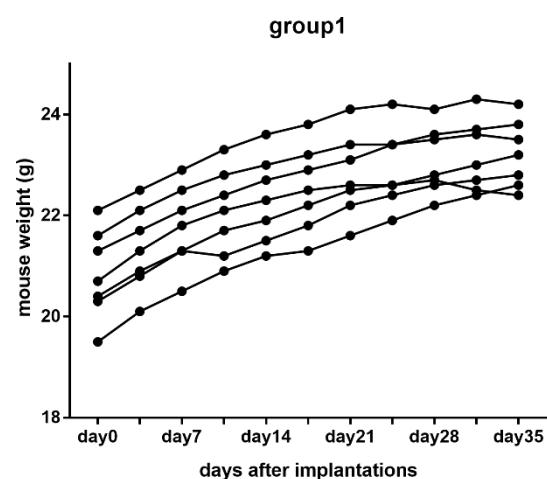
GEM



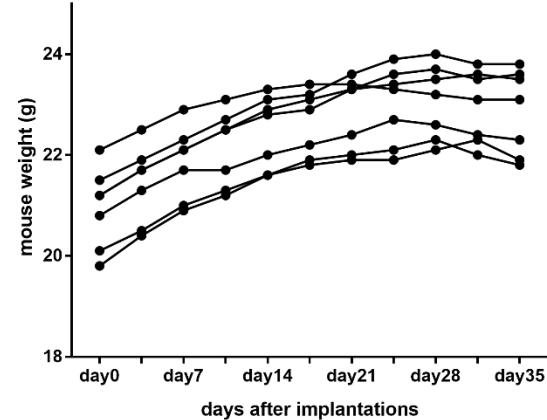
NAC+  
PLZ



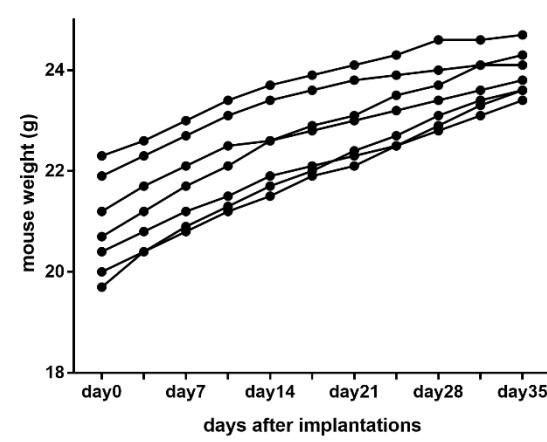
B



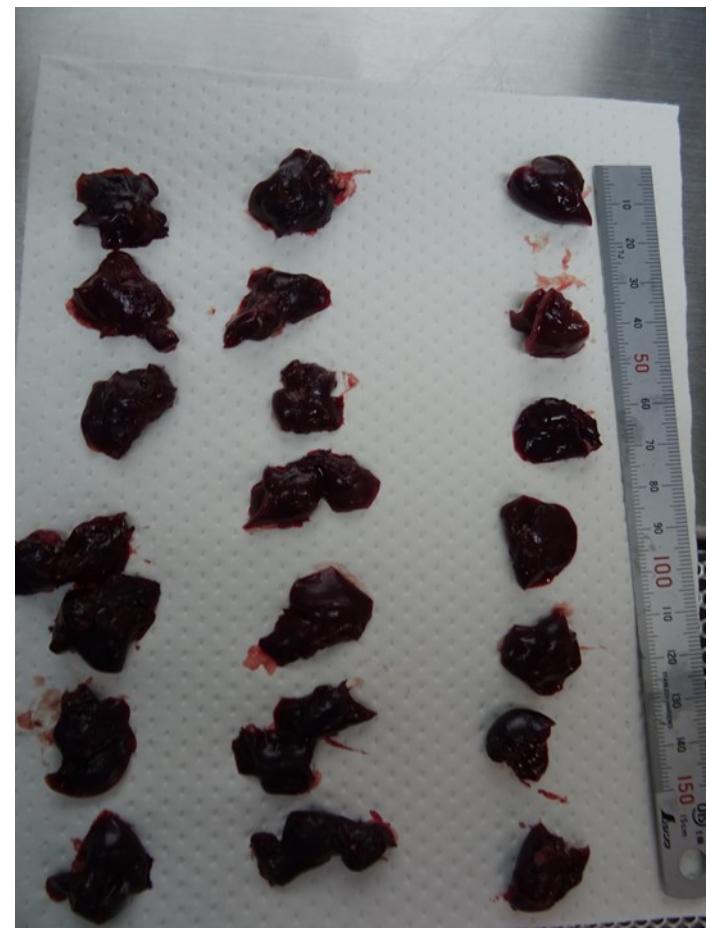
group2



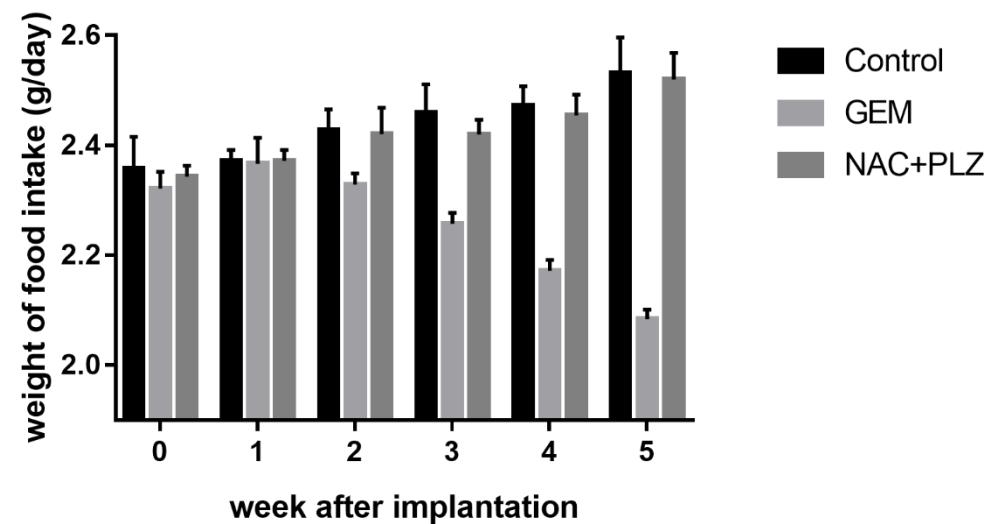
group3



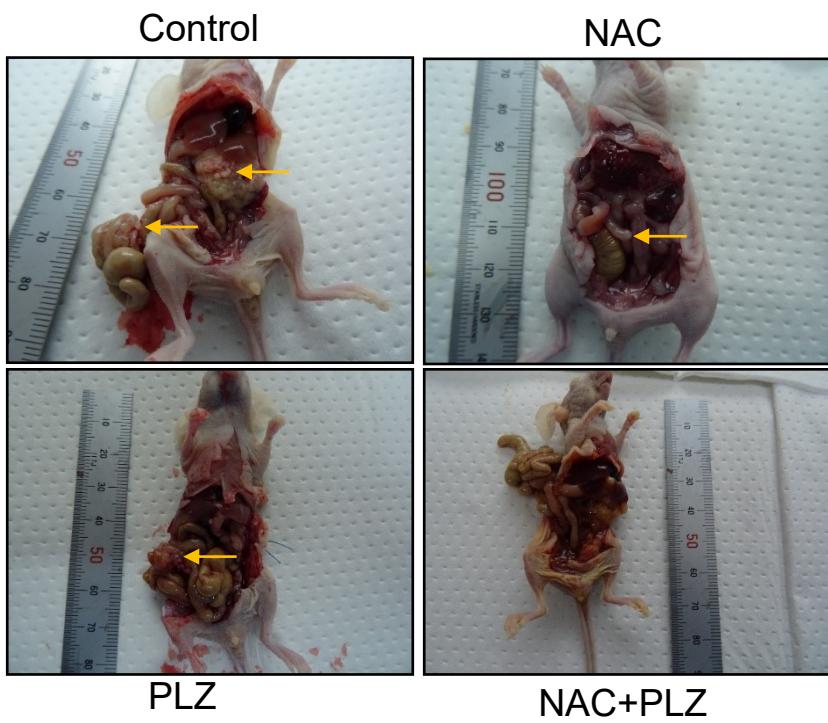
C



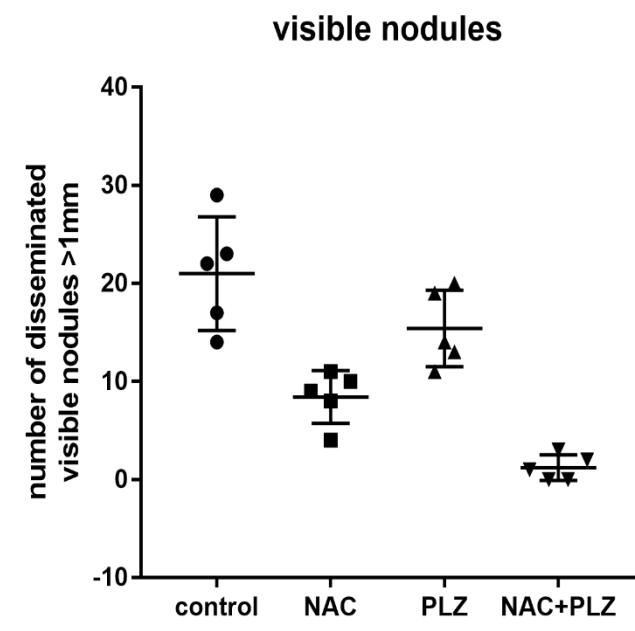
D



E



F



G

